

WHAT IS CLAIMED IS:

- Amended  
paper #188  
5  
B1

- 20  
Amended  
trans  
page  
#18

4. A scroll compressor as recited in Claim 3, wherein said gear transmission provides a gear reduction.

- 5.4

Amended  
page 18

8. A scroll compressor as recited in Claim 3, wherein said gear transmission is mounted between a motor rotor and a motor shaft.

10. A scroll compressor as recited in Claim 9, wherein said ratchet-type arrangement provides rotation for an eccentric which drives said orbiting scroll through only a first portion of rotation of a motor shaft, and said crank does not move said orbiting scroll during a second portion of the rotation of said shaft.

41

10

a first scroll member having a base and a scroll wrap extending from said base;

a second scroll member having a base and a scroll wrap interfitted with said first scroll wrap;

a bi-directional rotary motor for driving said second scroll relative to said first scroll, said motor being driven in a forward direction and in a reverse direction, said motor being driven at a first speed in said forward and reverse directions; and

15

a mechanical transmission for driving said second scroll in said forward direction when said motor is driven in both said reverse and forward directions, and at a speed which approximates the speed of said motor when said motor is driven in said forward direction, and said transmission reducing the speed of movement of said second scroll when said motor is driven in said reverse direction.

13. A scroll compressor as recited in Claim 12, wherein said transmission includes a planetary gear transmission.

B5  
Amended  
page #18

14. A scroll compressor as recited in Claim 13, wherein said planetary gear transmission is mounted between a shaft and an eccentric portion.

20

15. A scroll compressor as recited in Claim 13, wherein said planetary gear transmission is mounted between a shaft and a motor rotor.

add 91